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NOTICE OF ALLOWANCE AND FEE(S) DUE

23552 7590 06/23/2011 MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903 EXAMINER

KUMAR, KALYANAVENKA K

ART UNIT PAPER NUMBER

2651

DATE MAILED: 06/23/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/551,890	08/11/2006	Raymond Brian Brosseuk	00878.0051USWO	6847	
TITLE OF INVENTION: HEAVY PARTICLE SEPARATION					

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	09/23/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

IL PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

TOOT TO THE TATE

or Fax (571)-273-2885

PUBLICATION FEEDUR PREV. PAID ISSUE FEE TOTAL FEE(S) DUE

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address; and indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or bibliotic patentials of FEE ADDRESS* for maintenance fee notification

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P.O. BOX 2903

ADDING TVDE

MINNEAPOLIS, MN 55402-0903

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I hereby certify that this Feeds (Familing is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (5/11) 273-22885, on the date indicated below.

(Depositor's name	
(Signature	
(Date	

APPLICATION NO FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO 10/551 890 08/11/2006 Raymond Brian Brosseuk 00878 0051USWO 6847 TITLE OF INVENTION: HEAVY PARTICLE SEPARATION

SMALL ENTERV

nonprovisional	YES	\$755	\$300	\$0	\$1055	09/23/2011
EXAM	UNER	ART UNIT	CLASS-SUBCLASS			
KUMAR, KALY	'ANAVENKA K	3653	209-274000			
1. Change of correspondence address or indication of "Fee Address" (37 CFR .503). Change of correspondence address (or Change of Correspondence Address form PTOSB1/22) attached. "Fee Address" indication (or "Fee Address" Indication form PTOSB47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.		era 2		

PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2 registered patent attorneys or agents. If no name is listed, no name will be printed.
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON T	THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee recordation as set forth in 37 CFR 3.11. Completion of this form is NO	data will appear on the patent. If an assignee is identified below, the document has been filed for Γ a substitute for filing an assignment.
(A) NAME OF ASSIGNEE	(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Please check the appropriate assignee category or categories (will not be pr	inted on the patent):
4. The fellowing for(s) are subscited.	P
4a. The following fee(s) are submitted: 4b ☐ Issue Fee	Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed.
Publication Fee (No small entity discount permitted)	Payment by credit card. Form PTO-2038 is attached.
Advance Order - # of Copies	The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).
5. Change in Entity Status (from status indicated above)	
a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.	□ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).
NOTE: The Issue Fee and Publication Fee (if required) will not be accepte interest as shown by the records of the United States Patent and Trademark	from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in Office.

Authorized Signature Date Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for rectucing this burden, should be sent to the Chief Information Officer. U.S. Patest and Trademark Officer. U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 2231-450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 2231-450.

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 APPELCATION NO.
 FILENO DATE
 FIRST NAMED INVESTOR
 ATTORNISY DOCKSIT NO.
 CONFRIBMATION NO.

 1055, 890
 08/11/2006
 Raymond Brian Brosseuk
 08/878.005 IUSWO
 6847

 23552
 7590
 06/23/2011
 EXAMINER

 MERCHANT & GOULD PC
 KIMAR, RALYANAVENKA K

KUMAR, KALYANAVENKA K

ART UNIT PAPER NUMBER

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DATE MAILED: 06/23/2011

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 114 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 114 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom
 of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of
 records may be disclosed to the Department of Justice to determine whether disclosure of these
 records is required by the Freedom of Information Act.
- A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2004 and 2006. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

plication No.	Applicant(s)	
551.890	BROSSEUK ET AL.	
aminer	Art Unit	
LYANAVENKATESHWARE MAR	3653	
REMAINS) CLOSED in this app ther appropriate communication	plication. If not include will be mailed in due	d course. THIS
mination dated 6/2/2010.		
in received. In received in Application No ents have been received in this sis communication to file a reply of this application. Note the attached EXAMINER ason(s) why the oath or declare submitted. Patent Drawing Review (PTO- endment / Comment or in the C ii) should be written on the drawin adder ascording to 37 GFR 1.121(BIOLOGICAL MATERIAL T	national stage applicat complying with the req 'S AMENDMENT or N' tition is deficient. 948) attached Office action of ngs in the front (not the q). must be submitted. N	uirements DTICE OF back) of
6. Interview Summary Paper No./Mail Dat	(PTO-413), te	
	551,890 aminer LYANAVENKATESHWARE ARE MAINS) CLOSED in this application of the cover sheet with the c REMAINS) CLOSED in this applicate communication S. This application is subject the MPEP 1308. mination dated 6/2/2010. 35 U.S.C. § 119(a)-(d) or (f), an received. In received in Application No onts have been received in this as communication to file a reply of this application. Note the attached EXAMINER ason(s) why the oath or declare submitted. Patent Drawing Review (PTO- endment / Comment or in the Grawing Review (PTO- endment / Comment or in the Grawing Review (PTO- endment / Comment or in the Grawing Review (PTO- endment / BIOLOGICO MATERIAL THE DEPOSIT OF BIOLOGIC 5. Notice of Informal F endpress years.	BROSSEUK ET AL. Art Unit LYANAVENKATESHWARE on the cover sheet with the correspondence addre REMAINS) CLOSED in this application. If not include ther appropriate communication will be mailed in due or S. This application is subject to withdrawal from issue MPEP 1308. mination dated 6/2/2010. 35 U.S.C. § 119(a)-(d) or (f). In received. In received in Application No. In received in Application No. In this national stage application is communication to file a reply complying with the required from the properties of this application. Note the attached EXAMINER'S AMENDMENT or Notes the attached EXAMINER'S AMENDMENT o

Application/Control Number: 10/551,890 Page 2

Art Unit: 3653

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Claim 29:

Replace in line 1, "The method of claim 27, wherein transporting" with -The method of claim 23. wherein transporting-

Reasons for Allowance

- The following is an examiner's statement of reasons for allowance:
- 2. The prior art Blake is directed to a concavely shaped screen but Blake does not disclose a variably adjustable concave profile in the belt, the concave profile being progressively adjustable from a first position where it is fully lowered to a second position where the belt is fully raised and to positions intermediate between the first and second position. The distinction is that the prior art teaching does not show a belt that can be variably shifted from a fully lowered to a fully raised position and to intermediate positions in between.
- Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 3653

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kalyan Kumar whose telephone number is 571-272-8102. The examiner can normally be reached on Mon-Fri 7:00AM-3:30PM.
- 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stefanos Karmis can be reached on 571-272-6744. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kalyan Kumar Examiner Art Unit 3653 Application/Control Number: 10/551,890 Page 4

Art Unit: 3653

/JOSEPH C RODRIGUEZ/ Primary Examiner, Art Unit 3653